

Annex B

Concept Development and Experimentation Guidance Annex

1. Purpose. This annex provides broad guidance for Concept Development and Experimentation (CD&E) efforts within the Army. This guidance is not intended to be all encompassing guidance for Army CD&E; rather it presents Army priorities and how CD&E will support these priorities. This guidance is applicable for the near, mid, and long term.

2. General.

Concept development and experimentation are key components of how we determine, validate, and refine capabilities required for the Army to provide relevant and ready land power capabilities for employment by combatant commanders today and in the future. CD&E activities are central drivers for the Joint Capabilities Integration and Development System (JCIDS). Future capabilities for the joint force will be derived from operational concepts and validated through experimentation.

Our overarching strategic priorities remain winning the war and transforming the force now. CD&E activities will be focused and balanced to support these priorities and achieve Army Campaign Plan (ACP) objectives. Adaptive and determined leadership, innovative concept development and experimentation, and lessons learned from recent operations support corresponding changes to Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF). A continuous cycle of innovation, experimentation, experience, and change will enable the Army to improve capabilities to provide dominant land power to the joint force now and in the future.

Army CD&E must be synchronized with and, where appropriate, integrated with Joint CD&E in order to leverage Joint venues to support Army objectives and to support and influence Joint CD&E initiatives and products. Army CD&E must be consistent with Joint CD&E Guidance published in relevant external documents, such as the Strategic Planning Guidance, Transformation Planning Guidance, and JFCOM's Joint Concept Development and Experimentation Campaign Plan.

3. Army Priorities. CD&E activities will be executed to improve Army capabilities for sustained land dominance against a full spectrum threat across the entire range of military operations in the near, mid, and long term timeframes. Army CD&E plans will be developed to address the priorities listed below.

a. Overarching Priorities

- Win the Global War on Terrorism (GWOT)
- Sustain Global Commitments
- Transform the Force Now

b. Strategic Imperatives

- Implement Transformation Initiatives
- Improve Army Capabilities for Homeland Defense
- Improve Proficiencies against Irregular Challenges
- Improve Capabilities for Stability Operations
- Achieve Army Force Capabilities to Dominate in Complex Terrain
- Improve Army Capabilities for Strategic Responsiveness
- Improve Global Force Posture
- Improve Army Capabilities for Battle Command
- Improve Joint Fires Capabilities
- Improve Capabilities for Joint Logistics

c. Additional CD&E Priorities

- Spiral Forward Future Capabilities into the Current Force
- FCS Development and Fielding
- Develop Joint Interdependencies
 - Joint Fires and Effects
 - Joint Battle Command
 - Joint Force Projection
 - Joint Air and Missile Defense
 - Joint Sustainment
- Develop Future Force Concepts
- Synchronize Army and Joint CD&E

4. Concept Development. Joint concepts are intended to drive capabilities development through JCIDS, and to shape Service and Interagency concepts. The Army will be a full partner in joint concept development.

a. Army concepts must depict how the Army will operate as part of an inherently joint force across the full spectrum of operations in an interagency and multinational environment, and must be nested within the family of joint concepts.

b. The Army concepts framework will account for the family of joint concepts framework established in the Joint Concept Development and Revision Plan (JCDRP) and the Joint Operations Concepts (JOpsC).

c. Army concept development (CD) will be synchronized with joint concept development, leveraging joint CD to facilitate Army CD and influencing joint concepts to reflect land force capabilities.

d. Army concepts will emphasize concept application against irregular threats, as well as traditional threats and adversaries employing both irregular and traditional capabilities and modes of operation.

e. Army concepts will address joint interdependencies, where appropriate, both from a perspective of joint capabilities required for Army concept implementation and from the perspective of Army capabilities necessary to enable joint force concepts / operations.

5. Wargames. In order to optimize the pay offs from our wargaming efforts and provide useful feedback into CD&E, Army sponsored wargames will be analytically rigorous and designed to test concepts to failure. Our wargames will be inherently joint in context and content, and will enlist Joint and Service counterparts as full partners from initial planning through game execution. To the degree that it is practical, wargames should include multinational, interagency, and non-governmental organization participation. The Army will be a full partner in planning and executing other Service and Joint wargames.

a. Army wargames should be directly linked to Army concept development and where practical to Joint concept development, and used to assess and validate concepts or specific aspects of concepts providing immediate feedback to the concept development process.

b. To leverage other venues and gain efficiencies from a planning and execution perspective, where possible and practical, link Army wargames to other Service or Joint Wargames or war game series, e.g. scenario, objectives, focus, etc.

c. Army wargames will use scenarios consistent with the approved Joint Operational Environment and the common set of scenarios employed in JCD&E and / or Defense Planning Scenarios. Scenarios will emphasize irregular threats, as well as traditional threats and adversaries employing both irregular and traditional capabilities and modes of operation

d. Army Wargames will place an emphasis on red teaming (use of imaginative, uncooperative, independent adversary players) to fully examine concepts and emerging capabilities. Success in the wargaming process will require a tolerance for surprise as well as failure.

6. Experimentation. The Army conducts a variety of experiments in three broad categories: discovery, hypothesis testing, and demonstration. Army experimentation is oriented on discovering, testing, or demonstrating the approved concepts that will become fielded capabilities. Army experimentation efforts support two parallel pathways. One is the Concept Development path, which is used for Future Force development; the other is the Prototype path, which enhances Current Force capability. Both paths serve to inform key decisions in the Army Campaign Plan (ACP).

Army experimentation will be aligned with joint experimentation. Army experimentation leverages joint experimentation to facilitate resourcing and ensure the relevance and effectiveness of fielded capabilities from a joint perspective. Army experimentation efforts will be synchronized internally, in order to efficiently meet objectives in a

resource constrained environment. In turn, experimentation must influence joint concept development and refinement to reflect priority land force capabilities.

- a. Experimentation will include spiraling future capabilities into the Current Force.
- b. Experimentation will include appropriate analysis to support generating the first FCS-equipped BCT(UA).
- c. Experimentation will include appropriate analysis to support development of Joint Interdependencies.

7. Scenario Development. Scenarios used to support Army wargames and CD&E at all levels must be consistent with the set of common scenarios employed in Joint CD&E and with emerging Defense Planning Scenarios. The Army must remain an active participant in the development of the set of Defense Planning Scenarios (DPS) and associated Multi-Service Force Deployment (MSFD). These documents will provide the framework for a broad set of analytic activities across the Department of Defense, and must appropriately reflect Army capabilities and contributions to the joint force. The scenario sets must collectively describe a broad set of challenges across the range of military operations and threat spectrum.